



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Jfu

Applicant: Jeffrey E. Stahmann et al.

Title: APPARATUS AND METHOD FOR PACING MODE SWITCHING DURING ATRIAL TACHYARRHYTHMIAS

Docket No.: 279.715US1

Serial No.: 10/713,556

Filed: November 13, 2003

Due Date: N/A

Examiner: George Robert Evanisko

Group Art Unit: 3762

MS Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

☒ A return postcard.

☒ A Communication Concerning Related Applications (4 pgs.).

☒ An Information Disclosure Statement (2 pgs.), Form 1449 (11 pgs.), and copies of 51 cited documents.

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

By: *J. Kevin Parker*

Atty: J. Kevin Parker

Reg. No. 33,024

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JAMES KANYUSIK
Name

James Kanyusik
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

(GENERAL)



N 10/713,556

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jeffrey E. Stahmann et al. Examiner: George R. Evanisko
Serial No.: 10/713,556 Group Art Unit: 3762
Filed: November 13, 2003 Docket: 279.715US1
Title: APPARATUS AND METHOD FOR PACING MODE SWITCHING DURING
ATRIAL TACHYARRHYTHMIAS

COMMUNICATION CONCERNING RELATED APPLICATIONS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related applications in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date</u>	<u>Attorney Docket</u>	<u>Title</u>
09/316,515	May 21, 1999	279.112US1	METHOD AND APPARATUS FOR TREATING IRREGULAR VENTRICULAR CONTRACTIONS SUCH AS DURING ATRIAL ARRHYTHMIA
09/316,682 6,351,669	May 21, 1999	279.113US1	CARDIAC RHYTHM MANAGEMENT SYSTEM PROMOTING ATRIAL PACING
09/693,402 6,353,759	October 20, 2000	279.113US2	CARDIAC RHYTHM MANAGEMENT SYSTEM PROMOTING ATRIAL PACING
09/316741 6,430,438	May 21, 1999	279.142US1	CARDIAC RHYTHM MANAGEMENT SYSTEM WITH ATRIAL SHOCK TIMING OPTIMIZATION
09/316,588 6,285,907	May 21, 1999	279.160US1	SYSTEM PROVIDING VENTRICULAR PACING AND BIVENTRICULAR COORDINATION

COMMUNICATION CONCERNING RELATED APPLICATIONS

Serial Number: 10/713,556

Filing Date: November 13, 2003

Title: APPARATUS AND METHOD FOR PACING MODE SWITCHING DURING ATRIAL TACHYARRHYTHMIAS

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09/837019 6,411,848	April 18, 2001	279.160US2	SYSTEM PROVIDING VENTRICULAR PACING AND BIVENTRICULAR COORDINATION
09/615,588 6,424,865	July 13, 2000	279.215US1	VENTRICULAR CONDUCTION DELAY TRENDING SYSTEM AND METHOD
09/569,295	May 13, 2000	279.289US1	CARDIAC PACING SYSTEM FOR PREVENTION OF VENTRICULAR FIBRILLATION AND VENTRICULAR TACHYCARDIA EPISODE
09/661,875 6,512,951	September 14, 2000	279.300US1	DELIVERY OF ATRIAL DEFIBRILLATION SHOCK BASED ON ESTIMATED QT INTERVAL
09/579,951 6,501,987	May 26, 2000	279.301US1	RATE SMOOTHING CONTROL
09/748,358 6,501,988	December 26, 2000	279.314US1	APPARATUS AND METHOD FOR VENTRICULAR RATE REGULARIZATION WITH BIVENTRICULAR SENSING
09/748,796	December 26, 2000	279.315US1	APPARATUS AND METHOD FOR PACING MODE SWITCHING DURING ATRIAL TACHYARRHYTHMIAS
09/751,431 2002/0087198 A1	December 29, 2000	279.316US1	APPARATUS AND METHOD FOR VENTRICULAR RATE REGULARIZATION
09/748,724 2002/0082509 A1	December 26, 2000	279.341US1	METHOD AND SYSTEM FOR DISPLAY OF CARDIAC EVENT INTERVALS IN A RESYNCHRONIZATION PACEMAKER
10/017,800 2002/0091415 A1	December 12, 2001	279.353US1	RATE SMOOTHING CONTROL

COMMUNICATION CONCERNING RELATED APPLICATIONS

Serial Number: 10/713,556

Filing Date: November 13, 2003

Title: APPARATUS AND METHOD FOR PACING MODE SWITCHING DURING ATRIAL TACHYARRHYTHMIAS

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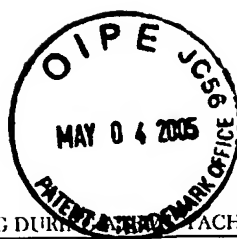
09/792,651 2002/0120298 A1	February 23, 2001	279.379US1	APPARATUS AND METHOD FOR VENTRICULAR RATE REGULARIZATION
10/054427 6,763,267	January 22, 2002	279.215US2	VENTRICULAR CONDUCTION DELAY TRENDING SYSTEM AND METHOD
10/211,414 2003/0004551 A1	August 2, 2002	279.142US2	CARDIAC RHYTHM MANAGEMENT SYSTEM WITH ATRIAL SHOCK TIMING OPTIMIZATION
10/334,397 6,687,541	December 30, 2002	279.300US2	METHOD FOR DELIVERING ATRIAL DEFIBRILLATION THERAPY
10/304,149 2003/0069610 A1	November 25, 2002	279.314US2	APPARATUS AND METHOD FOR VENTRICULAR RATE REGULARIZATION WITH BIVENTRICULAR SENSING
10/306,514 2003/0078630 A1	November 27, 2002	279.301US2	RATE SMOOTHING CONTROL
10/394,497 2003/0233131 A1	March 20, 2003	279.631US1	APPARATUS AND METHOD FOR VENTRICULAR RATE REGULARIZATION
10/462,029 2004/0010295 A1	June 13, 2003	279.316US2	APPARATUS AND METHOD FOR VENTRICULAR RATE REGULARIZATION
10/792,663 2004/0243188 A1	March 3, 2004	279.341US2	METHOD AND SYSTEM FOR DISPLAY OF CARDIAC EVENT INTERVALS IN A RESYNCHRONIZATION PACEMAKER
10/852,602 2004/0215259 A1	May 24, 2004	279.838US1	METHOD AND APPARATUS FOR TREATING IRREGULAR VENTRICULAR CONTRACTIONS SUCH AS DURING ATRIAL ARRHYTHMIA

COMMUNICATION CONCERNING RELATED APPLICATIONS

Serial Number: 10/713,556

Filing Date: November 13, 2003

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10/889,354 July 12, 279.215US3
2005/0038480 2004
A1

VENTRICULAR CONDUCTION
DELAY TRENDING SYSTEM AND
METHOD

Continuations and divisionals may be later filed on the cases listed above, or cited to the Examiner in any previous Communication Concerning Related Applications. Applicant requests that the Examiner review all continuations and divisionals of the above-listed or previously-cited patent applications before allowing the claims of the present patent application.

Respectfully submitted,

JEFFREY E. STAHMANN ET AL.

By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(847) 432-7302

Date 5-2-05

By

J. Kevin Parker

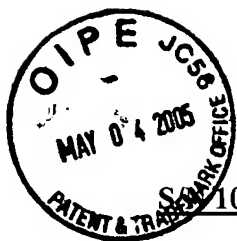
Reg. No. 33,024

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Name

JAMES KAUYSIK

Signature



10/713,556

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Jeffrey E. Stahmann et al. Evanisko	Examiner:	George Robert
Serial No.:	10/713,556	Group Art Unit:	3762
Filed:	November 13, 2003	Docket:	279.715US1
Title:	APPARATUS AND METHOD FOR PACING MODE SWITCHING DURING ATRIAL TACHYARRHYTHMIAS		

INFORMATION DISCLOSURE STATEMENT

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

INFORMATION DISCLOSURE STATEMENT

Serial No : 10/713,556

Filing Date: November 13, 2003

Title: APPARATUS AND METHOD FOR PACING MODE SWITCHING DURING ATRIAL TACHYARRHYTHMIAS



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Dkt: 279.715US1

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

JEFFREY E. STAHMANN ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(847) 432-7302

Date 5-2-05

By J. Kevin Parker
J. Kevin Parker
Reg. No. 33,024

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JAMES KAUYUSIK
Name

[Signature]
Signature

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/713,556
Filing Date	November 13, 2003
First Named Inventor	Stahmann, Jeffrey
Group Art Unit	3762
Examiner Name	Evanisko, George

Attorney Docket No: 279.715US1

1 of 11

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2002/0062139 A1	05/23/2002	Ding, J.	01/22/2002
	US-2002/0082509 A1	06/27/2002	Vanderlinde, S., et al.	12/26/2000
	US-2002/0082660 A1	06/27/2002	Stahmann, J. E., et al.	12/26/2000
	US-2002/0087198 A1	07/04/2002	Kramer, A. P., et al.	12/29/2000
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	US-2002/0120298 A1	08/29/2002	Kramer, A. P., et al.	02/23/2001
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EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. † Applicant's unique citation designation number (optional) ‡ Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/713,556
Filing Date	November 13, 2003
First Named Inventor	Stahmann, Jeffrey
Group Art Unit	3762
Examiner Name	Evanisko, George

Sheet 2 of 11

Attorney Docket No: 279.715US1

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EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/713,556
Filing Date	November 13, 2003
First Named Inventor	Stahmann, Jeffrey
Group Art Unit	3762
Examiner Name	Evanisko, George

Sheet 3 of 11

Attorney Docket No: 279.715US1

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EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 2px;"><i>Complete if Known</i></td> </tr> <tr> <td style="width: 60%; padding: 2px;">Application Number</td> <td style="padding: 2px;">10/713,556</td> </tr> <tr> <td style="padding: 2px;">Filing Date</td> <td style="padding: 2px;">November 13, 2003</td> </tr> <tr> <td style="padding: 2px;">First Named Inventor</td> <td style="padding: 2px;">Stahmann, Jeffrey</td> </tr> <tr> <td style="padding: 2px;">Group Art Unit</td> <td style="padding: 2px;">3762</td> </tr> <tr> <td style="padding: 2px;">Examiner Name</td> <td style="padding: 2px;">Evanisko, George</td> </tr> </table>	<i>Complete if Known</i>		Application Number	10/713,556	Filing Date	November 13, 2003	First Named Inventor	Stahmann, Jeffrey	Group Art Unit	3762	Examiner Name	Evanisko, George
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First Named Inventor	Stahmann, Jeffrey												
Group Art Unit	3762												
Examiner Name	Evanisko, George												
Sheet 4 of 11	Attorney Docket No: 279.715US1												

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	US-5,523,942	06/04/1996	Tyler, M. C., et al.	03/31/1994
	US-5,527,347	06/18/1996	Shelton, M. B., et al.	02/21/1995
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Application Number	10/713,556
Filing Date	November 13, 2003
First Named Inventor	Stahmann, Jeffrey
Group Art Unit	3762
Examiner Name	Evanisko, George

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Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Application Number</td> <td>10/713,556</td> </tr> <tr> <td>Filing Date</td> <td>November 13, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Stahmann, Jeffrey</td> </tr> <tr> <td>Group Art Unit</td> <td>3762</td> </tr> <tr> <td>Examiner Name</td> <td>Evanisko, George</td> </tr> </table>	Application Number	10/713,556	Filing Date	November 13, 2003	First Named Inventor	Stahmann, Jeffrey	Group Art Unit	3762	Examiner Name	Evanisko, George
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Sheet 8 of 11	Attorney Docket No: 279.715US1												

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Application Number	10/713,556
Filing Date	November 13, 2003
First Named Inventor	Stahmann, Jeffrey
Group Art Unit	3762
Examiner Name	Evanisko, George

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Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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